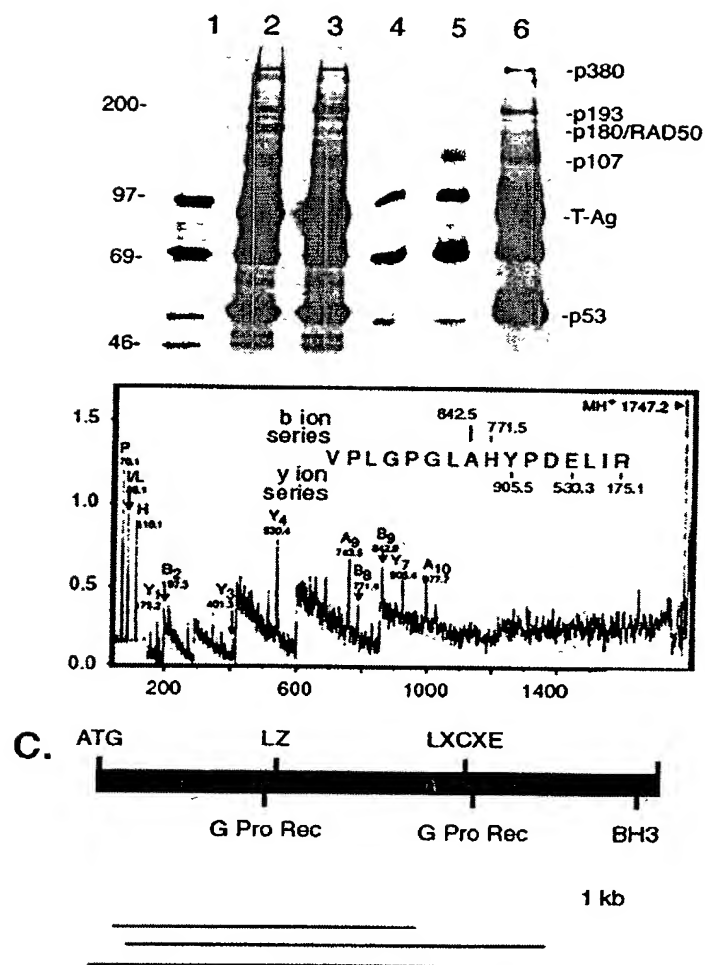




# Figure 1





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## FIGURE 2

a.

```
MVGELRYREFRVPLGPGHLHAYPDELIRQRVGHNGHPEYQIRWLILRRGDD 50
GDRDSTVDCKAEHILLWMSDDIYANCHKMLGENGQVIAPSRESTEAGAL 100
DKSVLGEMETDVKSLIQRALRQLEECVGTVPAPLLHTVHVL SAYASIEP 150
LTGIFKDRRVNLLMHMLSSPDYQIRWSAGRMIALSSHDAGTRTQILLS 200
LSQQEAIEKHLDFDSRCALLALFAQATLTEHPMSFEGVQLPQVPGRLIFS 250
LVKRYLHVTFLLDRLNGDAGDQGAQNNFSPEELNVGRGRLELEFSMAMGT 300
LISELVQAMRWGASSRPESSSSSTFQPRPAQFRPYTQFRFRSRRFRPRA 350
SFASFNTYALYVRDTRLPGMRVRMLENYEEIAAGDEGQFROSNDGVPPAQ 400
VLWDSTGHTYVWHHMLEILGFEEDIEDVIDIEELQELGANGALSIVPPS 450
QRWKPIITQLFAEPYVVPPEEDREESENLTQAEWWELLFFIRQLSEAERLH 500
IVDLLQDHLLEERVLDDYDMLPELTVPDLAQDLLSLPQQLEDALRDLF 550
SCSVYRKYGPEVLVGHLSYFPVPGAQPNLFGANESEAKDPPLQASAPAL 600
QRLVESLGPEGEVLVELEQALGSEAPQETEVKSCLLQLQEQQPQPFALMR 650
SLDTSASNKTLLHLTVLRILMQLVNFPEALLPWHEAMDACVTCLRSPNTD 700
REVLQELIFFLHRLTTTSRDYAVILNQHGARDAISKVLEKHRGKLELAQE 750
LRDMVSKCEKHAHLRYRKLTTNILGGCIQMVLGQIEDHRRTHRP IQIPFFD 800
VFLRYLCQGSSEEMKKNRYWEKVEVSSNPQRASRLTDRNPKTYWESSGRA 850
GSHFITLHMRPGV IIRQLTLLVAGEDSSYMPAWVVVCGGNSIKSVNKELN 900
TVNVMPASASRVTLLENLTRFWPI IQIRIKRCQQGGINTRIRGLEVLGPKP 950
TFWPVFREQLCRHTRLFYMVRAQAWSQDIAEDRRSLHLSSRLNGALRHE 1000
QNFAERFLPDMEAAQALS KTCWEALVSLVQNITSPDEDSTSLGWLLDQ 1050
YLGCREAAYNPQSRAAFSSRVRLTHLLVHVEPREAAPVVAIPRSKGR 1100
NRIHDWSYLITRGLPSSIMKNLTRCWRSVVEEQMNKFLSASWKDDDFVPR 1150
YCERYYVLQKSSSELFGPRAAFLAMRNGCADAVRRLPFLRAAHVKQOFA 1200
RHIDQRIQGSRMGGARGMEMLAQLQRCLESVLI FSPLEIATTFEHYYQHY 1250
MADRLLSVGSSWLEGAVLEQIGPCFPSRLPQOMLQSLNVSEELQRFHVY 1300
QLQLDQELLKLEDTEKKIQVAHEDSGREDKSKKEEAIGEAAAVAMABEE 1350
DQCKKEEGEEGEDEEEERYKGTMPVCVLVVTFRFWPVASVCQMLN 1400
PATCLPAYLRGTINHYTNFYSKSQRSSLEKEPQRRLLQWTWQGRAEVQFG 1450
GQILHVSTVQMWLLHLNMQEVSVESLQAISELPPDVLHRAIGPLTSSR 1500
GPLDLQEQKNVPGVGLKIRDDSEEP RPRRGNVWLIPPQTYLQAEAEGRN 1550
MEKRRNLLNCLVVRILKAHGDEGLHVDRLVYLVEAWKGPCPARGLVSS 1600
LGRGATCRSSDVLSCILHLLVKGT LRRHDDR PQVLYYAVPVTVMEPHMS 1650
LNPGSAGPNPPLTFHTLQIRSRGV PYASCTDNHTFSTFR 1689
```

b.

```
p193: LKAHGDE
Hrk: LKALGDE
Bim: LRRIGDE
Bik: LACIGDE
Bid: LAQIGDE
Blk: LACIGDE
EGL-1: LAAMCDD
BAD: LRRMSDE
BNIP-3: LKKNSDW
```



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## Figure 3

a.

Pro.  
T-Ag IP  
myc IP  
Cont IP

myc



b.

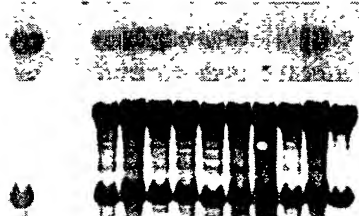
IVT p193  
T-Ag  
Tot. Pro  
T-Ag  
Cont.

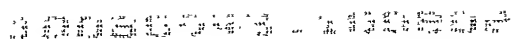
p193  
(Autorad)

-200

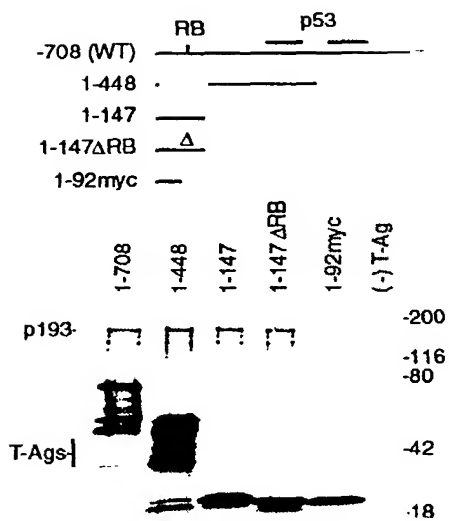
T-Ag  
(Western)

ea  
dne  
Liver  
Lung  
Sk. M  
Skin  
S  
Teste





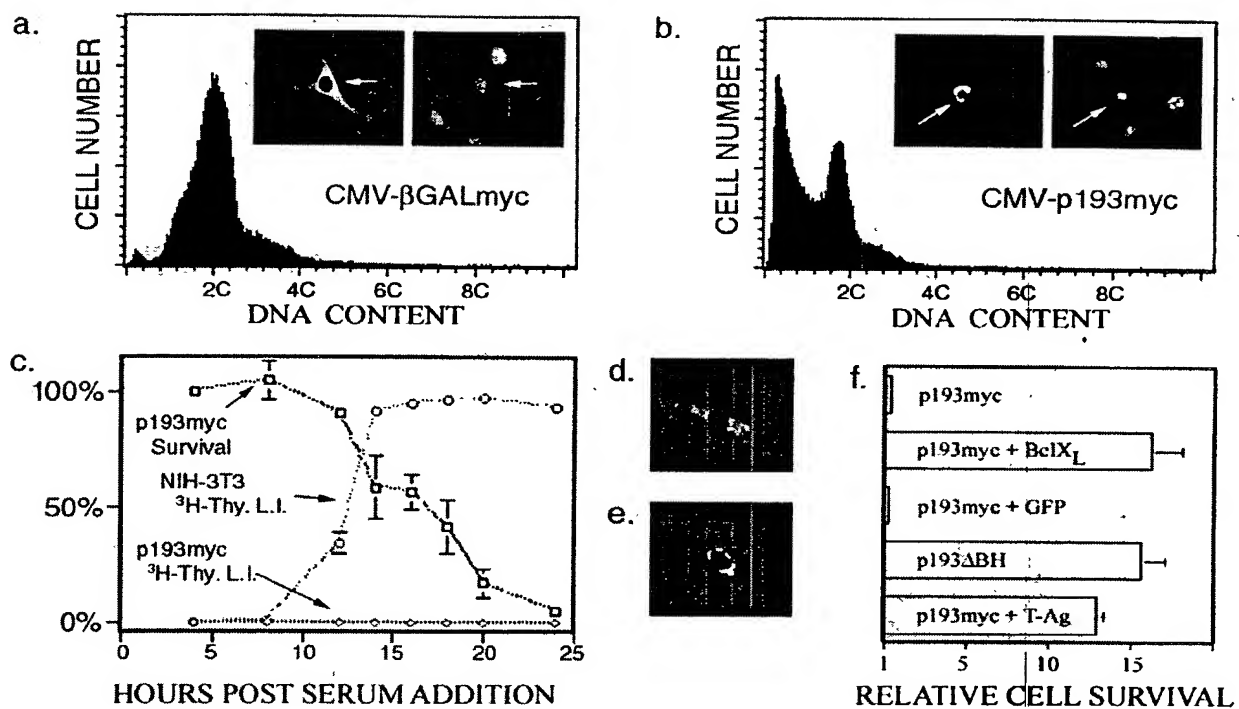
### Figure 4





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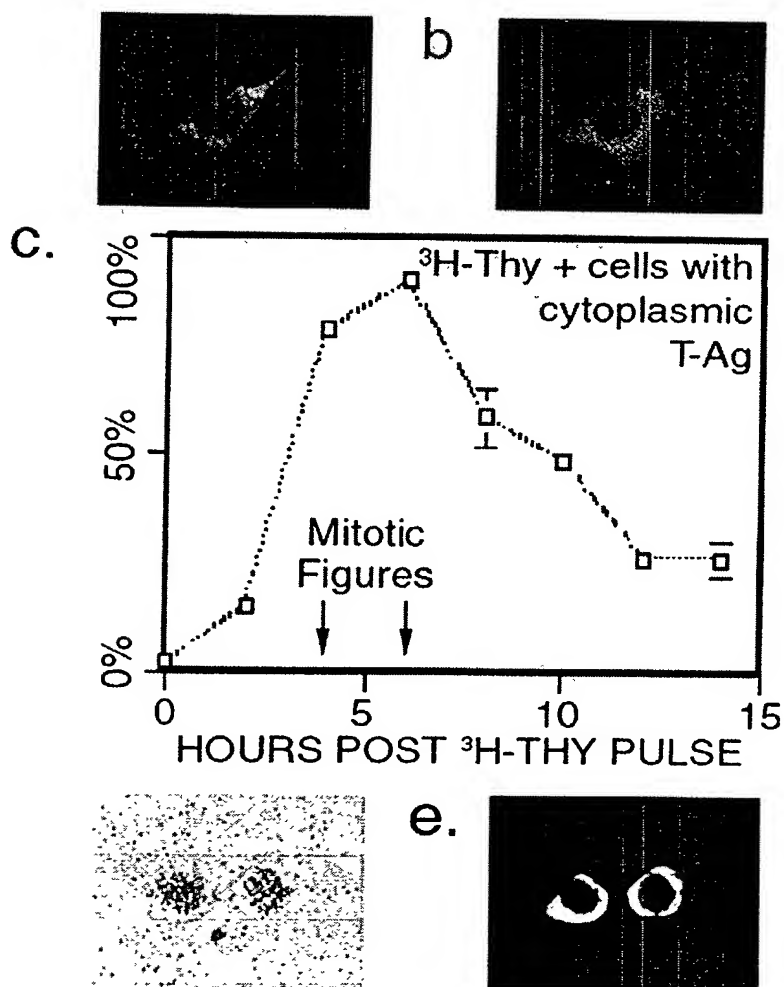
Figure 5.





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## Figure 6



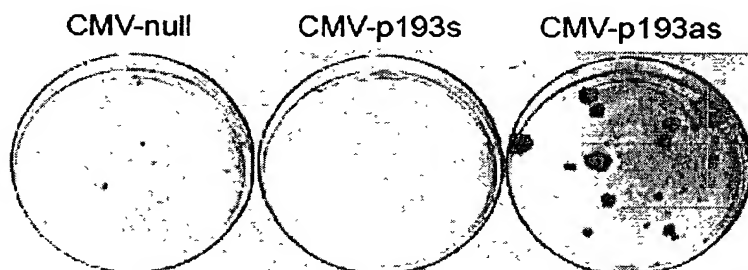


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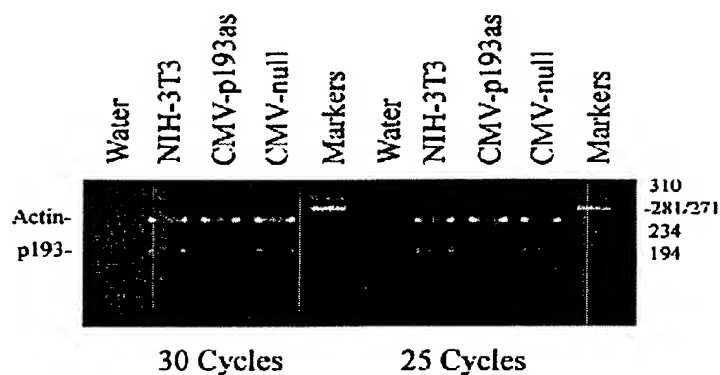
## Figure 7

### A. NIH-3T3 colony growth assay:

- Transfect with various constructs
- Impose G418 selection
- Stain with gentian violet



### B. RT-PCR analysis:





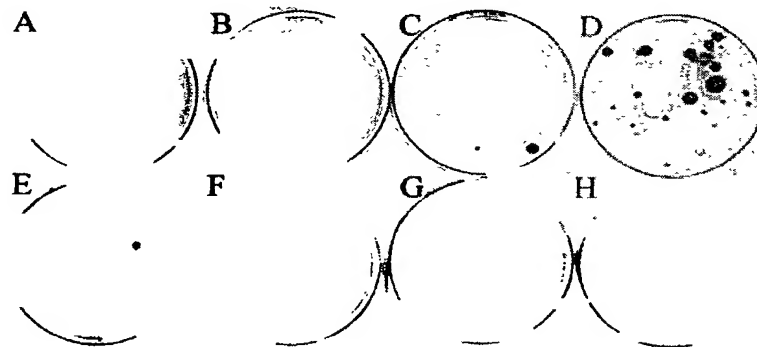
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## Figure 8.

Structure of CMV expression vectors with nested p193 C-terminal truncations.

- A) CMV-null
- B) CMV-p193 BH3
- C) CMV-1342stp
- D) CMV-1152stp
- E) CMV-912stp
- F) CMV-309stp
- G) CMV-243stp
- H) CMV-deltaBH3

Colony growth assay.



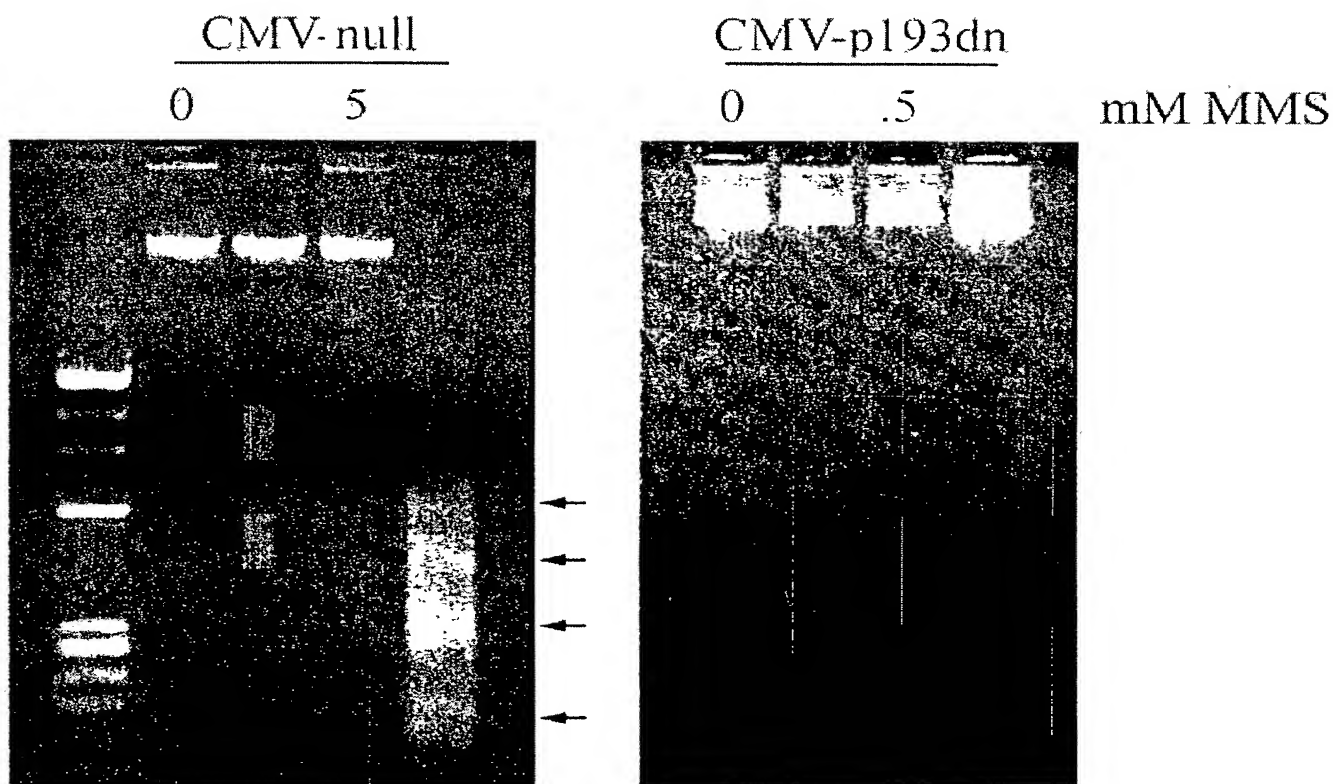




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Figure 8C

p 93dn Blocks MMS induced Apoptosis  
in NIH 3T3 Cells



10/08/02 10:00:00



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# Figure 9.

## MHC-p193dn Transgene

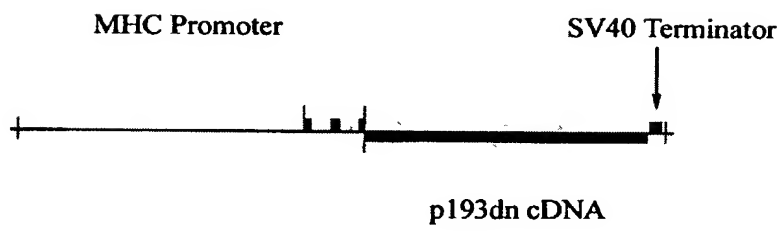




Figure 10.



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Figure 11.

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A.



B.



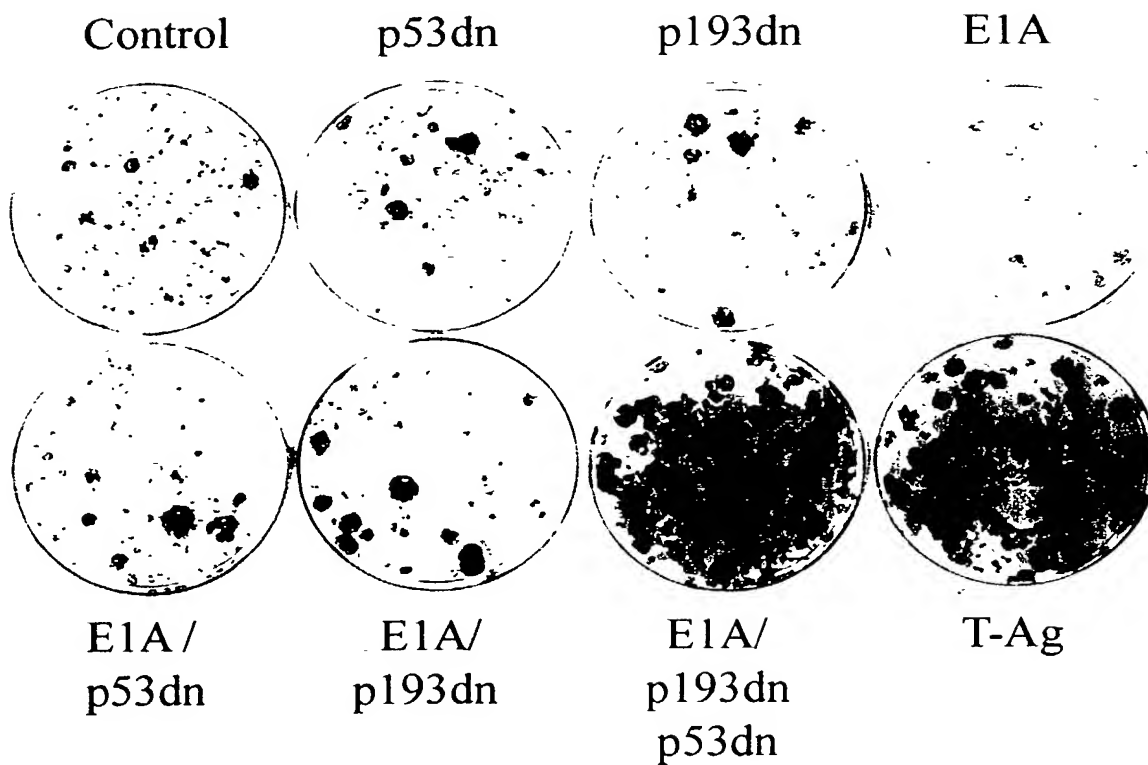
C.



D.



Figure 12





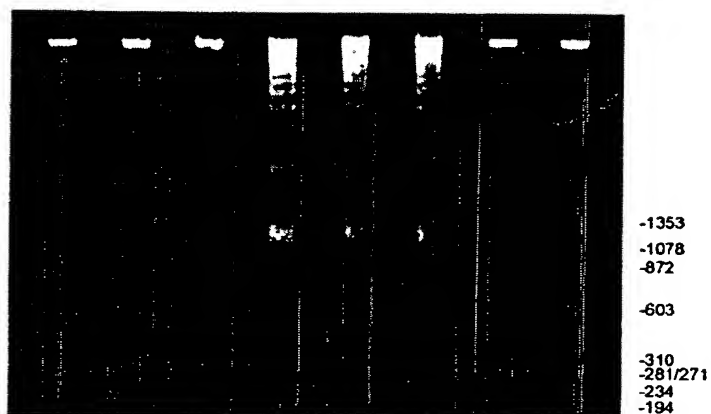
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**Figure 13**

**A) Western:**



**B) DNA Fragmentation:**



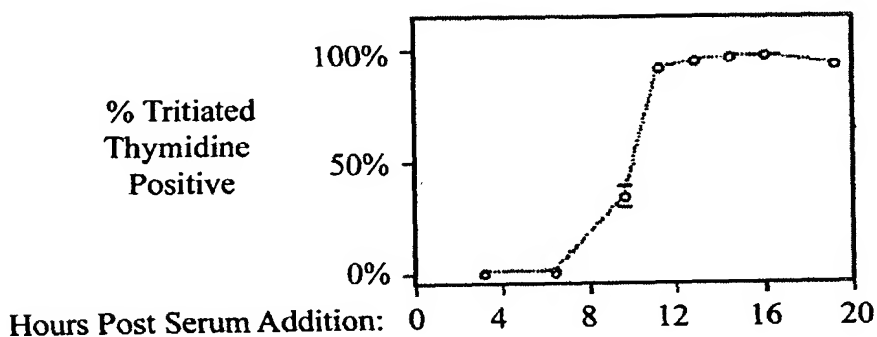


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Figure 14

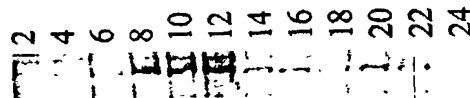
p193 is Expressed in G<sub>1</sub>/S of the Cell Cycle:

A) Cell Cycle Synchronization:



B) Western Analysis of p193 Expression:

Hours Post Serum Addition:





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## Figure 15

Isoproterenol induces growth in cardiomyocytes  
which co-express p193dn and p53dn.

- ISO

+ ISO

